

S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	William S. Woods	Examiner:	Unknown
Serial No.:	Unknown	Group Art Unit:	Unknown
Filed:	Herewith	Docket:	899.009US2
Title:	AUDIO SIGNAL PROCESSING		

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

Pursuant to 37 C.F.R. §1.98(d), copies of the listed documents are not provided as these references were previously cited by or submitted to the U.S. Patent Office in connection with Applicant's prior U.S. application, Serial No. 09/393,463, filed on September 10, 1999, which is relied upon for an earlier filing date under 35 U.S.C. §120.

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Serial No :Unknown

Filing Date: Herewith

Title: AUDIO SIGNAL PROCESSING

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The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

WILLIAM S. WOODS

By his Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

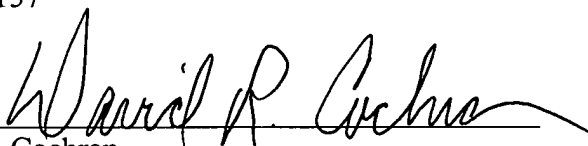
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Date 10 December 2003

By



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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Application Number	Unknown
Filing Date	Even Date Herewith
First Named Inventor	Woods, William
Group Art Unit	Unknown
Examiner Name	Unknown

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US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-2001/0002930	06/07/2001	Kates, James M.	381	317	12/21/2000
	US-2001/0007050	07/05/2001	Adelman, Roger A.	600	150	02/09/2001
	US-200/20076073	06/20/2002	Taenzer, Jon C., et al.	381	315	12/19/2000
	US-3,527,901	09/08/1970	Geib, Robert L.			03/28/1967
	US-4,232,192	11/04/1980	Beex, Aloysius A.	179	1FS	05/01/1978
	US-4,366,349	12/28/1982	Adelman, Roger A.	179	107	04/28/1980
	US-4,396,806	08/02/1983	Anderson, Jared A.	179	107	10/20/1980
	US-4,419,544	12/06/1983	Adelman, Roger A.	179	107	04/26/1982
	US-4,471,490	09/11/1984	Bellafore, Gaspare	381	69	01/16/1983
	US-4,637,402	01/20/1987	Adelman, Roger A.	128	746	12/01/1983
	US-4,783,818	11/08/1988	Graupe, , et al.	381	71	10/17/1985
	US-4,882,762	11/21/1989	Waldhauer, Fred D.			02/23/1988
	US-5,016,280	05/14/1991	Engebretson, A M., et al.	381	68	03/23/1988
	US-5,259,033	11/02/1993	Goodings, , et al.	381	68	07/09/1992
	US-5,390,254	02/14/1995	Adelman,	381	68	04/19/1993
	US-5,402,496	03/28/1995	Soli, , et al.	381	94	07/13/1992
	US-5,434,924	07/18/1995	Jampolsky, Arthur	381	68.4	03/06/1991
	US-5,475,759	12/12/1995	Engebretson, A M.	381	68.2	05/10/1993
	US-5,502,769	03/26/1996	Gilbertson, Mark	381	68	04/28/1994
	US-5,553,152	09/03/1996	Newton, James R.	381	68.6	08/31/1994
	US-5,581,747	12/03/1996	Anderson, Jeffrey	395	551	11/25/1994
	US-5,659,621	08/19/1997	Newton, James R.	381	68	04/27/1995
	US-5,706,392	01/06/1998	Goldberg, , et al.	395	2.19	06/01/1995
	US-5,757,933	05/26/1998	Preves, David A., et al.	381	68	12/11/1996
	US-5,822,442	10/13/1998	Agnew, Jeremy A., et al.	381	107	09/11/1995
	US-5,825,631	10/20/1998	Prchal, Dave	361	790	04/16/1997
	US-5,835,611	11/10/1998	Kaiser, Eduard , et al.	381	321	06/02/1997
	US-5,852,668	12/22/1998	Ishige, Ryuichi , et al.	381	312	12/26/1996
	US-5,862,238	01/19/1999	Agnew, Jeremy A., et al.	381	321	09/11/1995
	US-5,910,994	06/08/1999	Lane, John E., et al.	381	93	06/03/1997
	US-6,041,129	03/21/2000	Adelman, Roger A.	381	328	01/18/1996
	US-6,072,884	06/06/2000	Kates, James M.	381	318	11/18/1997
	US-6,115,478	09/05/2000	Schneider, A. T.	381	314	04/16/1998

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Substitute Disclosure Statement Form (PTO-1449)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	Unknown
Filing Date	Even Date Herewith
First Named Inventor	Woods, William
Group Art Unit	Unknown
Examiner Name	Unknown

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	US-6,219,427	04/17/2001	Kates, James M., et al.	381	318	09/12/1998
	US-6,236,731	05/22/2001	Brennan, Robert , et al.	381	316	04/16/1998
	US-6,240,192	05/29/2001	Brennan, Robert , et al.	381	314	04/16/1998
	US-6,347,148	02/12/2002	Brennan, Robert , et al.			04/16/1998
	US-6,366,863	04/02/2002	Bye, Gordon , et al.	702	57	01/09/1998
	US-6,389,142	05/14/2002	Hagen, Lawrence T., et al.	381	313	03/31/1998
	US-6,434,246	08/13/2002	Kates, James M., et al.	381	312	10/02/1998
	US-6,434,247	08/13/2002	Kates, James M., et al.	381	312	07/30/1999
	US-6,449,662	09/10/2002	Armitage, Scott	710	8	09/14/1998
	US-6,498,858	12/24/2002	Kates, James M.	381	318	12/21/2000
	US-6,563,931	05/13/2003	Soli, Sigfrid D., et al.	381	318	07/29/1992

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	EP-0579252	01/19/1994	Uetama, Eiji , et al.	HO4 N	1/23	
	EP-0581261	02/02/1994	Soli, Sigfrid D., et al.	H04 R	25/00	
	EP-0924873	12/17/1997	Maurer, Michael	H04B	3/20	
	WO-00/21332	04/13/2000	Danielsen,			
	WO-9960822	11/25/1999	Kates, James M., et al.	HO4 R	3/02	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		GRIFFING, TERRY S., et al., "Acoustical Efficiency of Canal ITE Aids", <u>Audicibel</u> , (Spring 1983),30-31	
		GRIFFING, TERRY S., et al., "Custom canal and mini in-the-ear hearing aids", <u>Hearing Instruments</u> , vol. 34, no. 2, (February 1983),31-32	
		GRIFFING, TERRY S., et al., "How to evaluate, sell, fit and modify canal aids", <u>Hearing Instruments</u> , vol. 35, no. 2, (February 1984),3	
		KATES, J. M., "Feedback Cancellation in Hearing Aids: Results from a Computer Simulation", <u>IEEE Transaction on Signal Processing</u> , 39(3), (March 1991),553-562	
		MAHON, WILLIAM J., "Hearing Aids Get a Presidential Endorsement", <u>The</u>	

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	Filing Date	Even Date Herewith
	First Named Inventor	Woods, William
	Group Art Unit	Unknown
	Examiner Name	Unknown
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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Hearing Journal,, (October 1983),7-8	
		OPPENHEIM, A. V., et al., In: Discrete-Time Signal Processing, Prentice-Hall,(1989),585-587	
		SULLIVAN, ROY F., "Custom canal and concha hearing instruments: A real ear comparison", Hearing Instruments, vol. 40, no. 4, (July 1989),5	
		SULLIVAN, ROY F., "Custom canal and concha hearing instruments: A real ear comparison Part II", Hearing Instruments, vol. 40, no. 7, (July 1989),6	
		VIRAG, N. , "Single Channel Speech Enhancement Based on Masking Properties of the Human Auditory System", IEEE Tansactions on Speech and Audio Processing, 7(2), (March 1999),126-137	

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